

Table of contents

1.Connector	4	5.11Apps Personal	16
2.Device connection Instruction	7	5.12Security	16
3.Boot state	7	5.13Language & input	16
4.Main screen Introduction	8	5.14Backup & reset	17
4.1Move/Delete desktop icon	8	5.15Add account	17
4.2Toolbar	10	5.16Date & time	17
4.3Status bar	10	5.17Accessibility	17
4.4Application	11	5.18Printing	18
5.Settings	12	5.19Developer options	18
5.1WIFI Setting	12	5.20About device	18
5.2Bluetooth settings	13	6.Explorer Browse /copy Files	18
5.3Ethernet Setting	13	7.Install/uninstall Apps	19
5.4Data Usage	13	7.1Online installation	19
5.5More Devices	13	7.2Local installation	19
•Airplane mode	13	7.3Uninstall Apps	20
•Tethering & portable hotspot	13	8.Airplay/DLNA/Miracast	21
•VPN	13	9.Web Browsing	22
•Mobile networks	14	10.Local audio &video playback	23
•PPPoE Setting	14	11.Use virtual keyboard	23
5.6USB	15	12.Switch input methods	24
5.7Sound	15	13.RK-RemoteControl	24
5.8DisPlay	15	14.How to use camera and microphone	25
5.9ScreenShot Setting	16	15.Upgrade Instructions	26
5.10Storage	16	16.FAQ	27
		17.Specification	

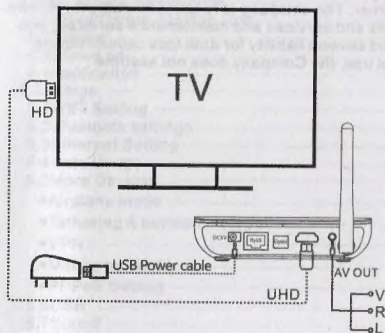
Declaration

- The user manual includes all the information of safe and correct operation instruction. To avoid accident and product damaged, please make sure go through all the content carefully before using the product.
- Please keep the product away from high temperature, humid and dusty environment
- Do not drop or crash the product
- Do not cut off the device when it is formatting or upgrading otherwise it will cause operation system error.
- Do not dismantle the device. Do not clean it by alcohol, thinner and Benzene
- We keep the right to upgrade and modify the product.
- Disclaimer: we only take the responsibility to provide the warranty and after service . The users have to take care of their data in the device by themselves. We do not responsible for any data or related lost.
- The product is not water-proof.
- All the pictures in the instruction are just for reference.

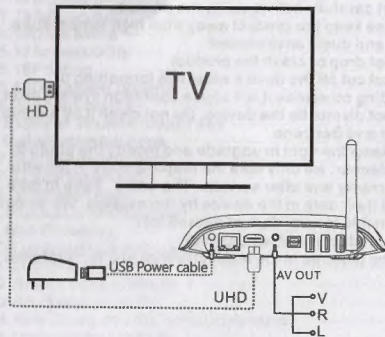
※Our Company reserves the right to improve our products, product specifications and design are subject to change without notice.
Disclaimer: The company is responsible only for its own products and services and maintenance services, and joint and several liability for data loss caused during product use, the Company does not assume.

1.Connector

Connection diagram:

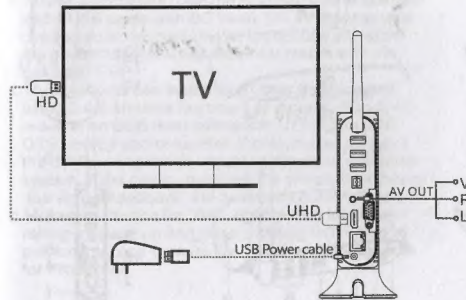


Connection diagram:

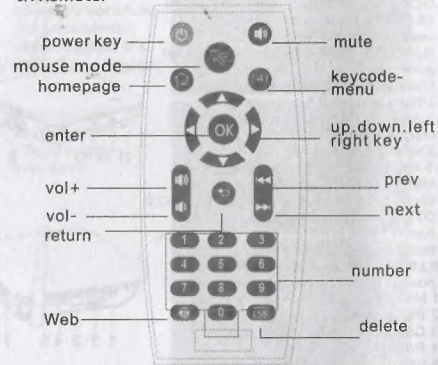


1.Connector

Connection diagram:



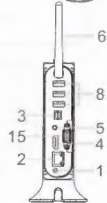
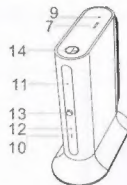
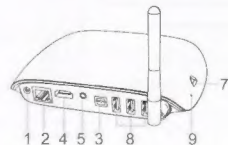
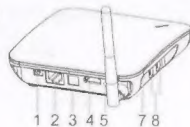
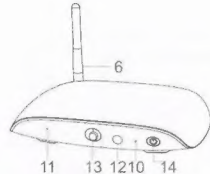
IR Remote:



1.Connector

Output port:

- 1.DC 5V Power: Power input port,DC 5V 2A (Without any external device only need 800mA Current)
- 2.RJ45 LAN:10M/100M/1000M Ethernet port
- 3.Optical: Audio optical output port
- 4.UHD :Ultra HD 2.0 output port
- 5.3.5mm AV Out :RCA (left, Right and video output)
- 6.External antenna wifi
- 7.T-flash Card: support up to 32GB
- 8.USB HOST: 3*USB 2.0 host for connecting the mobile devices,1*USB2.0 OTG used for for Firmware upgrade
- 9.Reset :reset button is used for restoring factory setting and Firmware upgrade
- 10.LED: it indicates blue when plug the power , It is red under standby mode
- 11.Microphone: Built-in Microphone
- 12.IR Receiver
- 13.Camera:used for taking photos
- 14.Power button on/off
- 15.VGA: VGA output port,



2.Device connection Instruction

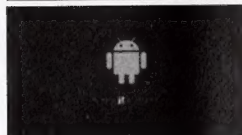
- a.Insert the UHD cable attachment connect with the LCD TV, monitor or projector's Via UHD port, and switch signal source of the TV as the same as the device (Please refer to the TV manual).
- b.Power Connection: Use the supplied power adapter and a USB cable with DC head, DC 5V input device connected to the port, (Note: Do not use any other the power adapter which does not match with the device)
- c.This products can match IR RC.We also suggest using 2.4G wireless keyboard or mouse. Plug 2.4G receiver on USB Host connector. Or plug on USB OTG port by port converter. If only mouse plugged, the device will provide virtual keyboard in operation system. If the device detected the physical keyboard ,the virtual keyboard will be hidden automatically.
- d.Mouse left button for "OK", right button for "return", rolling for page up and down, holding left button to pull icon or copy & paste file. Holding middle button for Properties.

3.Boot state

After connect with power adapter for about 10 seconds, the boot screen would appear the icon of cloudnetgo:

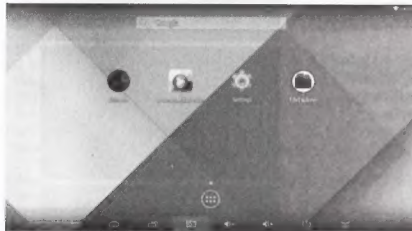


Then go into animation of Cloudnetgo interface:



3.Boot state

For about 30 seconds , device would access to main screen;



4.Main Screen Introduction

4.1 Move/Delete desktop icon

Long-press any icon in the main interface, you could put it in any position as you like ,at the same time you could put the other apps shortcut to the main interface.



4.Main Screen Introduction

Long-press the icon and move it to the right above "x" and loosen ,then you could delete it.



Move your cursor to any space and drag towards left or right for page rolling
Also you can use the mouse wheel for rolling page.



4.Main Screen Introduction

4.2 Function Toolbar

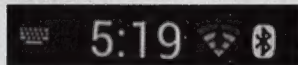


- Power key: Click on the icon under any user interface , screen will show "Do you want to shut down ";
- Screenshot button: Click on the icon under any user interface, perform screen capture picture;
- Return button : click to the upper level directory;
- Homepage button: click it anytime to return to homepage;
- Program button : click to check all the running program;
- Volume decrease button : click to decrease volume;
- Volume increase button :click to increase volume;
- Hidden key: under any screen, click the icon to hide the toolbar, put up can be restored;
- Search button : Located in the top left corner of the main interface, click the icon to input the website to search the web page.
- Program tools button :Located in the right top corner of the desktop, click on the icon can see installed apps software;

- Properties button :when in different apps, it shows different contents. It's equivalent to windows properties button;

4.3 Status bar

The right button corner is status bar. It shows the status of T-flash card , USB connection ,time , WIFI and Download... and so on.



Click status bar ,the hide menu would bound up:



4.Main Screen Introduction

4.4 Application

Click to show up all the installed program and setup tools icon.



- If the first desktop page with full of APK icon, then pull or rolling mouse will move it to second desktop page;


- You could launch these program or set up directly or hold this icon and throw them to desktop to make shortcut;

Click then hold any button to make shortcut on desktop;



5.Settings

In the system user can setup according to their own requirements, such as network connection, language, input methods, video output resolution, sound output and check storage space.

 It is in tool bar or mani interface. Click it then will show up below options:



5.1 WIFI Setting

When opened WIFI player would search available wireless router signals within 20 meters ,user just choose a router and input correct password then could browse internet ; if the router without password, player would connect it directly.



5.Settings

5.2Bluetooth settings

Open Bluetooth settings, check the allow attachment search Bluetooth devices, the device named cloudnetgo , paired with a phone or other Bluetooth device, after successful pairing will be transmitted via Bluetooth playback multimedia files to a local disk for this device (long press one file ,then choose sending by bluetooth).

5.3 Ethernet (USB wired LAN) settings

If there is no WIFI network, we recommend using a wired network priority (RJ45 LAN), using RJ45 port to connect the network cable, then firstly disable wifi in the settings WLAN, and enable Ethernet, so that the wired network will automatically connect to the Internet. This mode supports static IP settings, support 10M/100M/1000M network.

5.4 Traffic usage

In traffic usage state, on the right status bar, you can monitor two network modes, each application cycle and traffic flow, etc.,and it is optional if you drag by left or right.

5.5 More

- airplane Mode: Enable airplane mode, then WLAN (Wi-Fi) and Bluetooth will be disable automatically..
- The Tether and portable hotspot
 - USB Tethering : Displays the current connection status when using the USB card.
 - Portable WLAN hotspot: Only support Ethernet state , WIFI hotspot sharing.
 - Setting WLAN hotspot: can do some modifications and storage to the setting of WLAN hotspot network SSID, security, passwords.
 - Bluetooth Tether: can choose whether to select the Bluetooth connection on our device to share Internet.
- VPN:
 - Tip Note: You need set a lock screen PIN or password to use credential storage, and there are three ways to lock the screen as follows:
 - Pattern: By drawing unlock pattern, Set unlock password.
 - PIN: By setting a PIN code to unlock the password.
 - Password: By setting numbers and letters to unlock a password.

5.Settings

But for VPN of android TV box, please choose the second way by PIN password, the detailed operations as follows:

A.click the button"setting"→ "more"→"VPN"→ "PIN".
B.Pls input your PIN password, and you need to input it twice. because this is your frist time to use VPN on this device, so it need a PIN password, this is a password that you can set it as no matter what you like , but for avoiding future the unnessary problems, pls write it down just for better memory.

C. pls click the sign "+" on the top right corner of the after-inputting PIN password screen, then you will see such a interface "Edit VPN profile"→①input a better name on the taskbar "Name"(you could choose whatever names you like)→②on the taskbar "Type", please to choose "PPTP"→③ on the " server address" , please input your own VPN proxy server address→④ please click the taskbar "show advanced options"→⑤ please input "8.8.8.8." on the taskbar "DNS servers" →⑥ pls click the below button "save".

D. Please click the "PPTP connection"→ input the user name and password of your own VPN→"save" your account information→ pls to click "connect"

● Mobile networks:

The enabled mobile networks is optional and workable.

● PPPoE dialing:

If your home or office network needs to dial-up, please connect the RJ45 LAN network cable port, click the " Settings" → "more devices" → "PPPoE dial-up" → "PPPoE Account" enter the account name, user name and password and save, then open "PPPoE dial-up connection" to achieve dial-up Internet access.

- PPPoE dial-up connection: Click to open the account that has been already set to set up PPPoE dial.

- Physical interface: Please select the physical interface of dialing PPPoE account, such as Ethernet , WIFI etc.

- PPPoE account: To add or delete PPPoE account, and can modify existing account name, user name, password, dns1, dns2 then keep saving

5.Settings

5.6 USB

This function user could exchange data between our device and computer.

Here is the operation steps:

1. connection: insert one end of the USB cable into USB OTG port, the other end is connected to the computer's USB port, and then connect the device to the TV's HDMI port.

2.Go Settings→ "USB"→connected to a computer, the device is swift to the USB mode, then click the "OK" button , press and open the USB storage, after five seconds, your computer can find the device, then you can operate it freely.

5.7Sound

Sound Settings;

- Volumes : Click to adjust the volume level of music, video and games or other media etc.

- Default notification sound: Click one time go into silent mode ,you also can select other 76 kinds of sounds ,choose one then keep saving .

- Touch sounds: Click to open or close touch tone.

- Audio equipment management: this is an audio input device and display options or to select an audio output device. Optical audio output is also in this selection.

5.8 Display

- Wallpaper: There are three options about live wallpaper, gallery, static wallpaper, so you can set whatever wallpaper you like.

- interactive Screensaver: Provided kaleidoscope, clock, photo desktop, photo frames etc. for your selecting reference.

- Font size: Click setup system to set font size according users' preference.

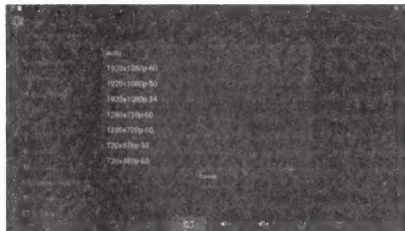
- Screen Zoom: Display Screen Scaling, used to adjust the screen sizes of the partial game.

- Display output interface: Displays the current video output port.

- HD output mode: users can set the output resolution appropriately according to the TV, as automatically default of our devices are 4K ultra-HD output.

- Movie Mode: select the movie mode, turn it on or off.

5.Settings



5.9ScreenShot Setting

- Select delay time to capture the screen
- Set the location of screenshot storage in flash or SD card
- Show the screenshot button in the statusbar

5.10 Storage

In this option, user could view local storage space and external storage space, besides, user could uninstall or format storage equipment.

Notice: System divided the whole storage into seven area, only two areas visible, the other five areas are taken up by Android system invisible. All the free space are the two visible areas(1.96GB INTERNAL STORAGE,3.82GB NAND FLASH).

5.11 Apps

In this option, user could view installed and running apps, at same time Could check DDR parameters.

5.12 Security

User can set password according to their needs.

5.13 Language & input

1.Users can set languages according to their own countries's usage or personal preference(71 languages are supported)

5.Settings

2. System default support Chinese and English, user need manually other input methods.

3.User could set keyboard and mouse cursor speed and simulated mouse step length at here.



5.14 Backup & reset

Backup: when you have very important files or apps, you'd better choose backup in case files lost.

Reset: when choose this option, and confirm, system will erase user's settings and all the apps missing and apply default configuration immediately(Not suggest);

5.15 Add account

Add-mail address related Google Account

5.16 Date & time

Device does not support the built-in battery, so the time and date can not be saved, the user must first manually set the time zone correctly, then click automatically determines the area, to select the time zone (eg: +8 GMT), then you can set the time and date automatically. If our device is connected to the Internet, then the device will automatically update the date and time.

5.17 Accessibility

can close the subtitle function, zoom in or out by rolling left mouse;

5.Settings

5.18 Printing

Support wireless printing;

5.19 Developer options

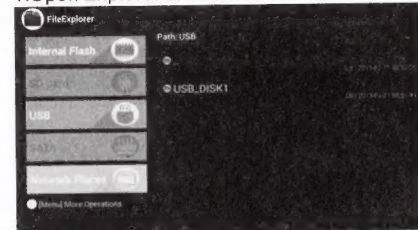
USB debugging: when connected with PC exchange date need open this option;

5.20 About device

This option show current system information display;

6.Explorer :Browse /copy Files

1.Open Explorer on the table



Internal Flash: Internal storage devices

SD Card: When you insert TF card, the fonts turn brighter.

USB: When you insert a USB device (hard disk, U disk), the fonts is lit.

SATA: When you insert a USB to SATA device (hard drive), fonts brighten.

Network Places: insert the same LAN cable, can enter a computer's storage space.

6.Explorer :Browse /copy Files

File Copying :

In Explorer, click the left mouse button or long press a file or folder, the relevant option will be displayed. Then you can copy, delete, move, paste, rename attributes of the files or folders. If you copy or cut files, please click the relevant files information, and your choice will be displayed in red, then long press the destination folder that you want to copy or cut, please note that it must be a folder, then select "Paste into folders" if no other operations, just click "cancel".



7.Install/uninstall Apps

Setting unknow resource ,we recommend the apps from google market,if not ,please go "setting- security "allow install apps from unknow resources

Our device Cloudnetgo CR12, CR13, CR16 support many commonly used third-party apps, you could install or uninstall apps freely, there are two methods available to install APPS:

7.1 Online installation

Users could login built-in "Google play store" to download Apps (Users need have an G-mail account), users also could login android market or other markets to download Apps. After downloading it, you could install it directly or click the icon of "download content" in the toolbar to find the downloaded software, then select it, to click"install".

7.2 Local installation

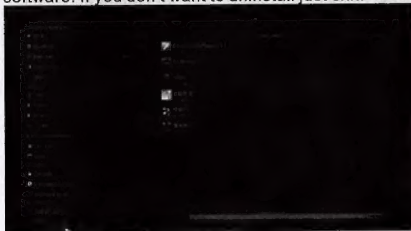
User also could download tablet PC Apps from computer directly(please note that the APP must be APK format) , to copy it to U-disk or TF card, then insert the U disk or TF card to our device,you could click the icon of "APK installing" in the toolbar to achieve the installing or to find the downloaded APP software, then select it,

7. Install/Uninstall Apps

to click "install".

7.3 Uninstall Apps

Click setting "→" Apps "→" Management Applications", click an Apps that you want to Uninstall, it will pop up a Uninstall window as follows, then click Uninstall; another way of uninstalling is long press the icon of Apps, and drag it to the trash on the pop-up taskbar then let your hands go, then in the next pop-up dialog box, select "Uninstall" button, then you can remove the software. If you don't want to uninstall just exit.



8. Airplay/DLNA/Miracast

Miracast: this function is only used for the smartphones, tablets, WIN8 notebook based on android 4.2 OS or above, Streaming the video/picture/audio to the LCD TV or projector screen. Example: Xiaomi2S Click "settings" => "enable WLAN" => "Properties" => WLAN Display "=> device name => invite the device -=> connected => ok. Samsung S3, : "settings => Enable WLAN => more settings" => "Allshare cast => invite the device => connected => OK.

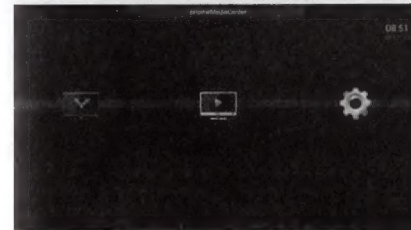
Airplay: By Airplay function, you can take iPhone, iPad music, video and images through wireless transmission to the Cloudnetgo CR12/CR13/CR16, and finally appear in the big screen;

DLNA : DLNA can through the specific applications let you share music, video and images with smart cell phones and tablet PC. There are many Apps could realize DLNA function, such as: bubble upnp, Skifta, Air play free, air play DMR, Google TV Remote, Media Remote, iMedia share Lite, soft Media player Tridl and so on.

8. Airplay/DLNA/Miracast

The Operations of Airplay and DLNA functions as follows:

- To make sure our device and your android smart phones, tablet PCs or PCs should be connected in a same wifi condition.
- Please open "eHomeMediaCenter", then open "Media Server".
- On the top right corner of the screen, please click the taskbar "start share" to begin the sharing.

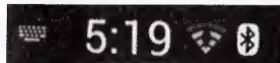


- Android Smart phone/tablet PC based on 4.0 or above Firstly to install the APK "bubble UPnP" or "Skifta", then open it (To download them freely in the Android market). => at the bottom of the APK, select "Device" => find our device in the "Local Renderer" list and select it => click on "Library", according to its classification of our equipment to push mobile multimedia files to TV to enjoy the play.

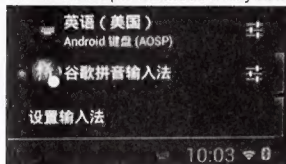
- iPhone/iPad: Open the APP "iMediaShare" (To download it freely from App market firstly) => at the bottom of the APP, select the type of data that you want to upload (Video/Photo/Music), and then click the file => select the icon to find our device on the top right corner => click our device, after the several steps, you can push the mobile multimedia files to share on TV.

12.Switch input methods

When you click any input box, you can setup your preference input methods, please click desktop keyboard icon at the right-bottom status bar;



A taskbar as the blow picture showing there are plenty of input methods have been installed, then you can choose whatever input methods that you are favourite



13.RK-RemoteControl

RemoteControl can be achieved using Android phones and the equipment plate interact with native remote control, touch, mouse models, remote control game, virtual keyboard, virtual remote control:

a.First please download the remote Control program (RK-RemoteControl) from official website, as well as installation instructions file, installed in your phone or Tablet PC.

b.WIFI Connect :before you use this feature, first two device (the device with your phone) connected to the same WIFI network, turn on the TV the eHomeMedia-Center icon in the toolbar, select set the settings to view this media share name: cloudnetgo, remember the device name to facilitate the identification

c.On phones or pad of the drive control program (RK-RemoteControl) when you open the application, software searches for the last time the user control the device wether exist or not.If yes,please click"confirmation"to control the device .

13.RK-RemoteControl

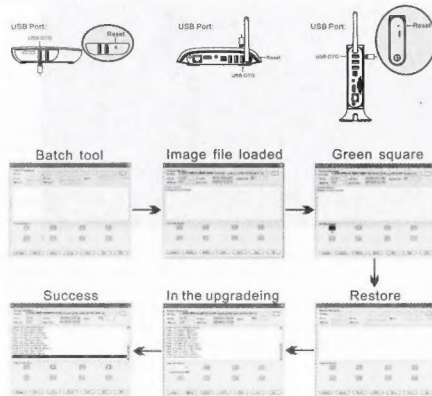


14.How to use camera and microphone

- Start the program guide,Open microphone icon,Press REC several seconds,then press replay.
- Open camera icon,You can see the image.
- You can download QQ or skype (applied to Android tablt version).

15. Upgrade Instructions

1. Download and unpack firmware and flash tool on Windows PC
2. Disconnect the device
3. Connect the USB cable to PC
4. Poke and hold the Reset hole on device
5. Connect USB cable to USB port on device (next to SD card slot)
6. If you have not previously installed RK USB drivers Windows will now prompt for driver files
7. Navigate to Driver included with the flash tool to install USB drivers
8. Once drivers are installed, start RKBatchTool.exe
9. If drivers were successfully installed the first square in the the Batch Tool will be green
10. In Batch Tool point to the unpacked image file and click Restore to start the upgrade process
11. Wait for the green success message in log window
12. Disconnect CR11s from PC and boot to new firmware
13. DONE



16. FAQ

- Screen flicker or unstable working : please check if the HDMI cable has been connected tightly.
- Cannot start device : please download FW file from Cloudnetgo official website: www.cloudnetgo.com To refresh the device FW. Make sure all the important data has been backup before process it . If the issue still cannot be solved, please contact the distributor which you bought from.
- Keep restarting system automatically : please check if the device get enough power supply. Sometimes , external HDD cause power shortage. Please plug additional power supply for external HDD or other external devices,
- Cannot find file in SD card or open drive : please check all the connection of the device. And make sure you have tick of SD and USB Host in "setting".

17. Specification

Cloudnetgo Ultra HD Quad-Core Specifications:

Model#	Android TV BOX
CPU	RK3288 Ultra Quad-Core
Main Frequency	Cortex-A17 Up to 1.8GHz
GPU	Mali-T764 Quad-Core 2D/3D OpenGL ES 2.0(AMD Z430)/OpenVG1.1
Operating system	Android 4.4
Inner Memory (RAM)	2G DDR3
Memory Flash	8G/16G
WiFi	WiFi 802.11 b/g/n/ac 2.4G/5.8G
Bluetooth	Bluetooth 4.0
Camera	Built-in 2MP/5MP pixel Front Camera
Microphone	Built in Microphone
Expand Micro SD	T-Flash 2G-32G (Maximum support 32GB)
Ports	UHD(Mate),3.5mm AV ,Optical,RJ45, Micro TF card ,USB host2.0*2, USB OTG2.0,DC5V power port ;LED(Blue)VGA(Only cr16)
Accessory	UHD cable ,USB power cable ,USB Cable, manual ,USB power adapter,IR RC
Unit Size(mm)	120mm*115mm*28mm (CR12)
	165mm*115mm*33mm (CR13)
	110mm*37mm*163mm (CR16)